



Defensin α 4 rabbit pAb

Cat No.:ES4990

For research use only

Overview

Product Name	Defensin α 4 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Defensin alpha4. AA range:27-76
Specificity	Defensin α 4 Polyclonal Antibody detects endogenous levels of Defensin α 4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	Neutrophil defensin 4
Gene Name	DEFA4
Cellular localization	Secreted . Cytoplasmic vesicle, secretory vesicle . Stored as mature peptide in neutrophil granules. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	1669
Human Swiss-Prot Number	P12838
Alternative Names	DEFA4; DEF4; Neutrophil defensin 4; Defensin; alpha 4; HNP-4; HP-4
Background	defensin alpha 4(DEFA4) Homo sapiens Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces





such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several alpha defensin genes are clustered on chromosome 8. This gene differs from other genes of this family by an extra 83-base segment that is apparently the result of a recent duplication within the coding region. The protein encoded by this gene, defensin, alpha 4, is found in the neutrophils; it exhibits corticostatic activity and inhibits corticotropin stimulated corticosterone production. [provided by RefSeq, Oct 2014],

Immunohistochemistry analysis of Defensin α 4 antibody in paraffin-embedded human heart tissue.

